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CLAIMS:

What is claimed is:

1.   A method in a node for managing authorized attempts to access the node, the method comprising:
receiving a packet from a source, wherein the packet includes a first key;
determining whether the first key matches a second key for the node;
dropping the packet without a response to the source if the first key does not match the second key;
storing information from the packet; and
sending the information to a selected recipient in response to a selected event.

2.   The method of claim 1, wherein the selected event is a request from the recipient for the information.

3. The method of claim 1, wherein the selected event is an occurrence of a trap.

4.   The method of claim 1, wherein the selected event is a periodic event.

5.   The method of claim 1 further comprising:
incrementing a counter source if the first key does not match the second key.

6.   The method of claim 1, wherein the selected event occurs when the counter exceeds a threshold value.

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7.   The method of claim 1, wherein the key is a partition key.

8.   The method of claim 1, wherein the information includes at least one of a source local identifier, a destination local identifier, the key value, a global identifier address.

9.   The method of claim 1, wherein the selected recipient is a subnet manager.

10.   A method in a node for reporting access violations, the method comprising:
    receiving a packet from a source, wherein the packet includes authentication information;
    verifying the authentication information;
    dropping the packet without a response to the source if authentication information is unverified;
    storing information from the packet; and
    sending the information to a selected recipient in response to a selected event.

11.   The method of claim 10, wherein the information includes at least one of a source local identifier, a destination local identifier, the key value, a global identifier address.

12.   A data processing system comprising:
    a bus system;
    a channel adapter unit connected to a system area

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network fabric;

    a memory connected to the bus system, wherein the
memory includes as set of instructions; and

    a processing unit connected to the bus system,
wherein the processing unit executes the set of
instructions to receive a packet from a source, wherein
the packet includes a first key; determine whether the
first key matches a second key for the node; drop the
packet without a response to the source if the first key
does not match the second key; store information from the
packet; and send the information to a selected recipient
in response to a selected event.

13. A node comprising:

    receiving means for receiving a packet from a
source, wherein the packet includes a first key;

    determining means for determining whether the first
key matches a second key for the node;

    dropping means for dropping the packet without a
response to the source if the first key does not match
the second key;

    storing means for storing information from the
packet; and

    sending means for sending the information to a
selected recipient in response to a selected event.

14. The node of claim 13, wherein the selected event is
a request from the recipient for the information.

15. The node of claim 13, wherein the selected event is
an occurrence of a trap.

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16. The node of claim 13, wherein the selected event is a periodic event.

17. The node of claim 13 further comprising:

incrementing means for incrementing a counter source if the first key does not match the second key.

18. The node of claim 13, wherein the selected event occurs when the counter exceeds a threshold value.

19. The node of claim 13, wherein the key is a partition key.

20. The node of claim 13, wherein the information includes at least one of a source local identifier, a destination local identifier, the key value, a global identifier address.

21. The node of claim 13, wherein the selected recipient is a subnet manager.

22. A node comprising:

receiving means for receiving a packet from a source, wherein the packet includes authentication information;

verifying means for verifying the authentication information;

dropping means for dropping the packet without a response to the source if authentication information is unverified;

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storing means for storing information from the packet; and

sending means for sending the information to a selected recipient in response to a selected event.

23. The node of claim 22, wherein the information includes at least one of a source local identifier, a destination local identifier, the key value, a global identifier address.

24. A computer program product in a computer readable medium for use in a node for managing authorized attempts to access the node, the computer program product comprising:

first instructions for receiving a packet from a source, wherein the packet includes a first key;

second instructions for determining whether the first key matches a second key for the node;

third instructions for dropping the packet without a response to the source if the first key does not match the second key;

fourth instructions for storing information from the packet; and

fifth instructions for sending the information to a selected recipient in response to a selected event.

25. A computer program product in a computer readable medium for use in a node for reporting access violations, the computer program product comprising:

first instructions for receiving a packet from a source, wherein the packet includes authentication

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information;

second instructions for verifying the authentication
information;

third instructions for dropping the packet without a
response to the source if authentication information is
unverified;

fourth instructions for storing information from the
packet; and

fifth instructions for sending the information to a
selected recipient in response to a selected event.